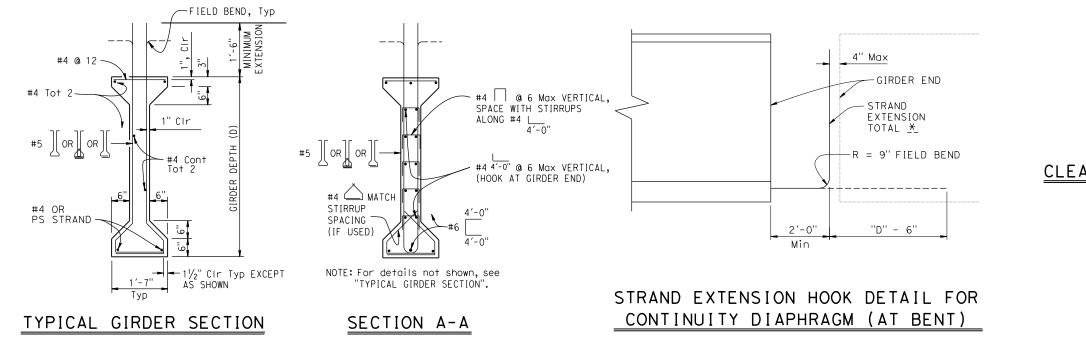


NOTE: Girder ends to be cast such that a level surface is provided at bearing pads.

ELEVATION

LOCATION	GIRDER LENGTH (L)	GIRDER DEPTH (D)	"x" (in)	JACKING FORCE (P) (Kips)	As, Min (in ²) of 0.6"Ø STRANDS	"Y" (in)	CONCRETE STRENGTH (ksi)		MIDSPAN DEAD LOAD DEFLECTION (ft)		ADDITIONAL TOP BAR (EACH END)	
							f'ci	f'c	DECK	RAIL		
			4									
GIRDER A			6								#_x_To+_	
GIRDER B			4									
GINDEN D			6									
GIRDER *			4									
			6									



NOTE: For "WELDED WIRE REINFORCEMENT (WWR) ALTERNATIVE", see "PC/PRETENSIONED I GIRDER (MISC DETAILS)" sheet.

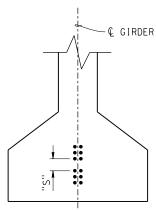
BRIDGE STANDARD DETAILS						ST/	TE OF		BRIDGE NO.		X		
xs1-120-2	July 2020	The components of the Bridge Standard Details have been prepared under the					CALI	FORNIA	DIVISION OF			A	
FILE NO.	APPROVAL DATE	responsible charge of the Technical Owner a registered civil engineer in the State of California	,					F TRANSPORTATIO	N ENGINEERING SERVICES	POST MILE	PC/PRETI	ENSIONED I GIRDER ((HARPED STRANDS)
Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/bridgemanuals/bridge-standard-detail- sheets/index.html		FILE =>\1\202007-xs1-120-2.dgn USERNAME => "s136236"	TIME PLOTTED => 10:19:14 AM	DATE PLOTTED => 7/15/2020	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1	2 3	UNIT: PROJECT NUMBER & PHASE:	CONTRAC	T NO.:	DISREGARD PRINTS BEARING EARLIER REVISION DATES0	REVISION DATES SHEET OF 6-12-14 01-28-20 07-15-20	

	DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS						
ур	PLANS APPROVAL DATE											
✓ "Y" ± 3"	The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet. $\frac{1}{\sqrt{C}} \frac{1}{C} \frac{1}{C}$											
	The Registered Civil Engineer for the project is responsible for the selection and proper application of the component design and any modifications shown.											

SEE "STRAND EXTENSION HOOK DETAIL FOR CONTINUITY DIAPHRAGM (AT BENT)"

NOTES:

- The Jacking Force (P) is the force required at the center of the span before all design losses. The jacking force does not include any fabrication specific losses.
- 2. Concrete Strength: f'ci is at time of initial stressing
- f'_c is the 28-day compressive strength 3. Deflection components will be used to set screed line elevations.
- Screed line elevations for deck concrete will be determined by the Engineer.
- 5. Contractor may interpolate "JACKING FORCE" and "X" values between limits shown, as approved by the Engineer.
- 6. For "DETAIL C", see "PC/PRETENSIONED I GIRDER (MISC DETAILS)" sheet.
- 7. Prestressing strand shall be 270 ksi low relaxation.
- * ENGINEER TO FILL IN THESE VALUES, THEN DELETE THIS NOTE



CLEARANCES FOR PRETENSIONED STRANDS

STRAND CLEARANCES NOTES:

- Strands may be bundled in groups consisting of 3 vertically and 2 horizontally at midspan, and separated at the ends.
- 2. The minimum distance "S" between groups or individual strands is $1\frac{3}{4}$ " for 0.5" Ø strand and 2" for 0.6" Ø strand.
- 3. "S" is measured between centers of adjacent strands.
- 4. Authorization of Engineer is required for deviation.

NO SCALE